

In the Specification

Please replace the paragraph beginning on page 13, line 2 with the following amended paragraph:

The housing 610 may be formed with threads 616 to allow the housing to be threaded in and held relative to another component, such as a camera housing. Specifically, an outer surface of the housing has threads. In one embodiment, the housing is formed with an M14 thread, having, e.g., an outer diameter O_d of approximately 14.0 mm and a pitch diameter of approximately 13.5 mm. Of course, other suitable thread configurations or other suitable attaching arrangements may be employed, as the present invention is not limited in this respect. The housing also has a non-threaded portion 612 of the outer surface to mate to a lens retainer, as described below in connection with Figures 8A and 8B.

Please replace the paragraphs beginning on page 14, line 10 with the following amended paragraphs:

Figure 7 shows the housing 610 of Figure 6 with the lenses L_1 - L_5 of Figure 1 disposed in the housing steps. Lens L_1 is disposed in housing step hs_2 . Lenses L_2 and L_3 are disposed in housing step hs_4 , which abuts the aperture stop $[[606]]$ 706. Lens L_4 is disposed in hs_5 . Lens L_6 is disposed in hs_7 . The lenses may fit snugly into the housing steps, or may be fixed within the housing steps by any suitable arrangement, for example, glue. By using the step locations in the housing, the lenses are spaced appropriately to ensure proper function of the lens assembly. The distances d_2 , d_5 , d_6 , and d_8 are maintained at appropriate values.

To hold lens L_1 in place, in one embodiment as shown in Figure 7, a lens retainer 702 is mated to the non-threaded portion $[[612]]$ 712 of the housing. The lens retainer 702 may be attached to the housing body using any suitable arrangement, such as welding, adhesively bonding, threading, interference fitting (e.g., press or shrink fitting), etc. as the present invention is not limited in this respect. The lens retainer 702 is illustrated in Figures 8A and 8B. Figure 8A shows a front-on view of the lens retainer

702. Figure 8B is a side view of the lens retainer 702. As shown in Figure 8B, the lens retainer has an inner mating surface with a diameter 850 of approximately 12 mm, for example, 12.02 mm, allowing it to mate with the non-threaded portion [[612]] 712 of housing 610. The lens retainer has a thickness 858 that is approximately 3.5 mm. The end of the lens retainer has an end thickness 860 that is approximately 1.0 mm.

To facilitate installing the housing to another component, the housing may be formed with wrench flats. In one embodiment, the wrench flats are formed on the housing itself. In another embodiment, the wrench flats 851 are formed on the retainer. Thus, when the lens retainer 702 is mated to the non-threaded portion [[612]] 712 of housing 610, the wrench flats facilitate threading the housing to the other component. The width 852 across the wrench flats 851 is approximately 13 mm; the distance 853 from the center of the retainer 702 to the wrench flats 851 is approximately 6.5 mm. The retainer 702 may have an edge 854 that has a chamfer of approximately 45 degrees for approximately 0.5 mm. Other suitable arrangements to facilitate threading the housing, such as, e.g., spanner wrench slots may be employed, as the present invention is not limited in this respect. The lens retainer has an inner diameter 856 of approximately 9 mm.

Please replace the paragraphs beginning on page 19, line 17 with the following amended paragraphs:

Figure 10 shows the housing 910 of Figure 9 with the lenses L_1 - L_5 of Figure 1 disposed in the housing steps. Note that in this Figure the housing 910 is rotated so that wrench flats 912 are not visible. Lens L_1 is disposed in housing step [[hs₂]] hs₁₄. Lenses L_2 and L_3 are disposed in housing step [[hs₄]] hs₁₆, which abuts the aperture stop 906. Lens L_4 is disposed in [[hs₅]] hs₁₇. Lens [[L₆]] L₅ is disposed in [[hs₇]] hs₂₀. The lenses may fit snugly into the housing steps, or may be fixed within the housing steps by any suitable means, for example, glue. By using the step locations in the housing, the lenses are spaced appropriately to ensure proper function of the lens assembly. In other words, the distances d_2 , d_5 , d_6 , and d_8 are maintained at appropriate values.

A lens retainer 1002 is disposed in housing step hs_{12} to hold lens L_1 in place. The lens retainer 1002 is illustrated in Figures 11A and 11B. As seen in Figure 11A, which is a front-on view of the lens retainer, the lens retainer 1002 has an outer circular diameter 1160 of approximately 8.2 mm, and an inner circular diameter 1162 of approximately 6.75 mm.

Figure 11B is a side view of the lens retainer 1002. As shown, the lens retainer has an approximate thickness 1164 of 1 mm. The lens may have an edge 1166 that has a chamfer of approximately 45 degrees for approximately 0.2 mm. The lens retainer may fit snugly in the housing step hs_{12} . The lens retainer 1002 may be attached to the housing body using any suitable arrangement, such as welding, adhesively bonding, threading, interference fitting (e.g., press or shrink fitting), etc. as the present invention is not limited in this respect.

Please replace the paragraph beginning on page 29, line 27 with the following amended paragraph:

As described above, another aspect of the invention relates to a multi-head imaging device for imaging an object. As shown schematically in Figure 16, the multi-head imaging device 1602 includes two distinct lens assemblies, 1604 and 1606, that may be identical to each other or different from each other. Each lens assembly is associated with a distinct detector, 1608 and [[1610]] 1607, respectively. The detector may be a CCD, CMOS, film-based or any suitable combination thereof. Of course other types of detectors may be employed, as the present invention is not limited in this respect.

Please replace the paragraph beginning on page 31, line 3 with the following amended paragraph:

In one embodiment, the housing [[10]] 1610 has a width (w) of approximately 1.4 inches, a height (h) of approximately .57 inches, and a depth (d1) of approximately .9 inches and a depth (d2) of approximately .52 inches. Thus, in one embodiment, the housing 1610 fits within an envelope of approximately 1.5 inch by .75 inch by 1 inch. Of

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course, the present invention is not limited in this respect, as the housing may be formed with any suitable size.

In the Drawings

Applicants present the attached “Replacement Sheets” of formal drawings, which include the amended Figures 8A, 8B, 10-14 and 16. These sheets replace the original informal drawing sheets.

The changes to Figures 8A, 8B, 10-14 and 16 are shown on the attached “Annotated Sheets Showing Changes,” which include a red line, marked-up version of Figures 8A, 8B, 10-14 and 16. A Request for Corrections, Approval and Entry of Drawings is enclosed.